

**SYSTEM AND METHOD FOR COMPILING DOCUMENTS AND TRACKING
TECHNOLOGY CHANGES IN A SEMICONDUCTOR MANUFACTURING
ENVIRONMENT USING A DOCUMENT GENERATION ENGINE**

ABSTRACT

[0042] A computer-based system and method for generating a primary document characterizing a device from multiple secondary documents is provided. In one example, the method includes defining a primary document template and multiple input files. Each input file defines the source and type of information for a section of the primary document template. A document generation engine parses the secondary documents and inserts information from them into the primary document template based on the input files. After the primary document is generated, related technologies or devices may be identified and notified of changes to the device in the primary document. The related technologies or devices may then be updated if desired.